

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant(s): Yamanaka et al. Examiner: Kruer, K.
Serial No.: 08/855,905 Group: Art Unit 1773
Filed: May 14, 1997 Docket: 443-17
For: SYNTHETIC PAPER Dated: September 17, 1999
MADE OF STRETCHED
POLYPROPYLENE FILM

13/C
9-24-99
DOR

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please enter the following Preliminary Amendment in the above-identified application:

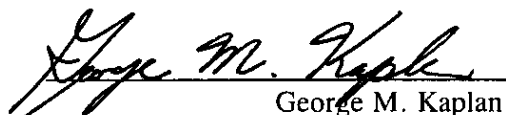
IN THE CLAIMS:

Cancel Claims 21-26 without prejudice, amend Claims 1 and 3 as follows and introduce Claim 27:

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CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this Preliminary Amendment is being deposited with the United States Postal Service on this date September 17, 1999 an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL058202942US addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.


George M. Kaplan

1. (Amended) A synthetic paper which comprises a film obtained by oxidizing the surface of a film obtained by stretching a resin film comprising as the base material a resin composition comprising

100 parts by weight of resin components comprising

component A: a polypropylene resin

55-90 wt%

component B: a polyetheresteramide containing aromatic rings which is derived from

component; b1: a polyamide having a number-average molecular weight of from 200 to 5,000 and containing a carboxyl group at each end

component b2: an alkaline oxide adduct of bisphenol having a number-average molecular weight of from 300 to 5,000

5-40 wt%

component C: a polyamide resin

3-20 wt%

and

component D: at least one modified low-molecular weight polypropylene selected from the following components d1 to d3

1-20 wt%

component d1: an acid modified low-molecular weight polypropylene having a number-average molecular weight of from 800 to 25,000 and an acid value of from 5 to 150,

component d2: a hydroxy modified low-molecular weight polypropylene having a number-average molecular weight of from 800 to 25,000 and a hydroxyl value of from 5 to 150,

component d3: an ester modified low-molecular weight polypropylene obtained by partly or wholly esterifying component d1 with a polyoxyalkylene compound and having a number-average molecular weight of from 1,000 to 28,000,

the total amount of all resin components being 100 wt%,

and

from 10 to 250 parts by weight of

component E: fine inorganic particles,

said stretching being conducted at a temperature lower than

the melting point of the polypropylene resin as component A,

said stretching and oxidation of said stretched film generating ultrafine cracks on a surface of

said stretched film through which component B as permanent antistatic agent appears

3. (Amended) [The] A synthetic paper [as claimed in claim 1,] which comprises a film
obtained by oxidizing the surface of a film obtained by stretching a resin film comprising as
the base material a resin composition comprising

100 parts by weight of resin components comprising

component A: polypropylene resin 55-90 wt%

component B: a polyetheresteramide containing aromatic rings which is

derived from

component b1: a polyamide having a number-average molecular weight
of from 200 to 5,000 and containing a carboxyl group
at each end

component b2: an alkaline oxide adduct of bisphenol having a number-
average molecular weight of from 300 to 5,000

5-40 wt%

component C: a polyamide resin 3-20 wt%

and

component D: at least one modified low-molecular weight polypropylene
selected from the following components d1 to d3

1-20 wt%

component d1: an acid modified low-molecular weight polypropylene having

a number average molecular weight of from 800 to 25,000

and an acid value of from 5 to 150.

component d2: a hydroxy modified low-molecular weight polypropylene

having a number-average molecular weight of from 800 to

25,000 and a hydroxyl value of from 5 to 150.

component d3: an ester modified low-molecular weight polypropylene

obtained by partly or wholly esterifying component d1 with a

polyoxyalkylene compound and having a number-average

molecular weight of from 1,000 to 28,000.

the total amount of all resin components being 100 wt%.

and

from 10 to 250 parts by weight of

component E: fine inorganic particles.

said stretching being conducted at a temperature lower than

the melting point of the polypropylene resin as component A.

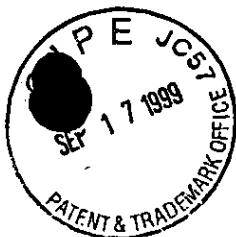
wherein the stretched resin film has a void content as

calculated using the following equation (1) of from 10 to 60%

$$\text{Void content (\%)} = \frac{\rho^{\circ} - \rho}{\rho^{\circ}} \times 100 \quad (1)$$

ρ° : density of the unstretched film

ρ : density of the stretched film.



GAU 1773\$ #12
9-24-99

PTO/SB/29 (8/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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CONTINUED PROSECUTION APPLICATION (CPA) REQUEST TRANSMITTAL

Submit an original, and a duplicate for fee processing.
(Only for Continuation or Divisional applications under 37 C.F.R. § 1.53(d))

CHECK BOX, if applicable:

☐ DUPLICATE

Address to: Assistant Commissioner for Patents Box CPA Washington, DC 20231	Attorney Docket No. of Prior Application	443-17
	First Named Inventor	Yamanaka
	Examiner Name	Kruer, K.
	Group / Art Unit	1773
	Express Mail Label No.	EL058202942US

This is a request for a ☒ continuation or ☐ divisional application under 37 C.F.R. § 1.53(d),
(continued prosecution application (CPA)) of prior application number 08 / 855,905,
filed on 5/14/97, entitled SYNTHETIC PAPER MADE OF STRETCHED

NOTES

FILING QUALIFICATIONS: The prior application identified above must be a nonprovisional application that is either: (1) complete as defined by 37 C.F.R. § 1.51(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. A Notice will be placed on a patent issuing from a CPA, except for reissues and designs, to the effect that the patent issued on a CPA and is subject to the twenty-year patent term provisions of 35 U.S.C. § 154(a)(2). Therefore, the prior application of a CPA may have been filed before, on or after June 8, 1995.

C-I-P NOT PERMITTED: A continuation-in-part application cannot be filed as a CPA under 37 C.F.R. § 1.53(d), but must be filed under 37 C.F.R. § 1.53(b).

EXPRESS ABANDONMENT OF PRIOR APPLICATION: The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 C.F.R. § 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

ACCESS TO PRIOR APPLICATION: The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 C.F.R. § 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or applications in the file jacket.

35 U.S.C. 120 STATEMENT: In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 C.F.R. § 1.78(a).

- ☐ Enter the unentered amendment previously filed on _____ under 37 C.F.R. § 1.116 in the prior nonprovisional application.
- ☒ A preliminary amendment is enclosed.
- This application is filed by fewer than all the inventors named in the prior application, 37 C.F.R. § 1.53 (d)(4).
 - ☐ **DELETE** the following inventor(s) named in the prior nonprovisional application:
.....
 - ☐ The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
- ☐ A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.
- Information Disclosure Statement (IDS) is enclosed:
 - ☐ PTO-1449
 - ☐ Copies of IDS Citations

[Page 1 of 2]

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to are enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Address" Mail Label Number EL058202942US addressed to: Assistant Commissioner for Patents, Box CPA, Washington, D.C. 20231.

Dated: September 17, 1999

George M. Kaplan

09/21/1999 09:23 1999
01 FC:131
02 FC:103

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CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 C.F.R. § 1.16(c) or (j))	21	-20* =	1	x \$ 18.00 =	\$ 18.00
INDEPENDENT CLAIMS (37 C.F.R. § 1.16(b) or (i))	2	-3** =	0	x \$ 78.00 =	0.00
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 C.F.R. § 1.16(d))				+ \$ 0.00 =	0.00
				BASIC FEE (37 C.F.R. § 1.16)	\$760.00
				Total of above Calculations =	\$778.00
Reduction by 50% for filing by small entity (Note 37 C.F.R. §§ 1.9, 1.27 & 1.28).					
* Reissue claims in excess of 20 and over original patent.				TOTAL = \$778.00	
** Reissue independent claims over original patent.					

6. Small entity status:

- a. ☐ A small entity statement is enclosed, if (b) and (c) do not apply.
 b. ☐ A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.
 c. ☐ Is no longer claimed.

7. The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 04 - 1121:

- a. ☒ Fees required under 37 C.F.R. § 1.16.
 b. ☒ Fees required under 37 C.F.R. § 1.17.
 c. ☐ Fees required under 37 C.F.R. § 1.18.

8. ☒ A check in the amount of \$ \$778.00 is enclosed.9. ☐ New Attorney Docket Number, if desired _____

[Prior application Attorney Docket Number will carryover to this CPA unless a new Attorney Docket Number has been provided herein.]

10. a. ☐ Receipt For Facsimile Transmitted CPA (PTO/SB/29A)b. ☒ Return Receipt Postcard (Should be specifically itemized, See MPEP 503)11. ☒ Other: Petition for a one month extension of time (in tripl.), Experiments 1 & 2 (6 pgs)**NOTE:**The prior application's correspondence address will carry over to this CPA
UNLESS a new correspondence address is provided below.

12. NEW CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Labelor ☒ New correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	Rocco S. Barrese				
Address	Dilworth & Barrese 333 Earle Ovington Blvd.				
City	Uniondale	State	New York	Zip Code	11553
Country	U.S.	Telephone	(516) 228-8484	Fax	(516) 228-8516

13. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print / Type)

George M. Kaplan

Signature

George M. Kaplan

Registration No. (Attorney/Agent)

28,375

Date

September 17, 1999